

CORRECTED VERSION

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
15 September 2005 (15.09.2005)

PCT

(10) International Publication Number
WO 2005/085081 A1

(51) International Patent Classification⁷: **B65D 35/02**,
B29C 45/14

(72) Inventor; and

(75) Inventor/Applicant (for US only): **JÖNSSON, Sven-Åke**
[SE/SE]; Mosslelundsg. 27, S-331 33 Värnamo (SE).

(21) International Application Number:
PCT/IB2005/000983

(74) Agent: **ALBIHNS GÖTEBORG AB**; Box 142, S-401 22
Göteborg (SE).

(22) International Filing Date: 2 March 2005 (02.03.2005)

(25) Filing Language: Swedish

(26) Publication Language: English

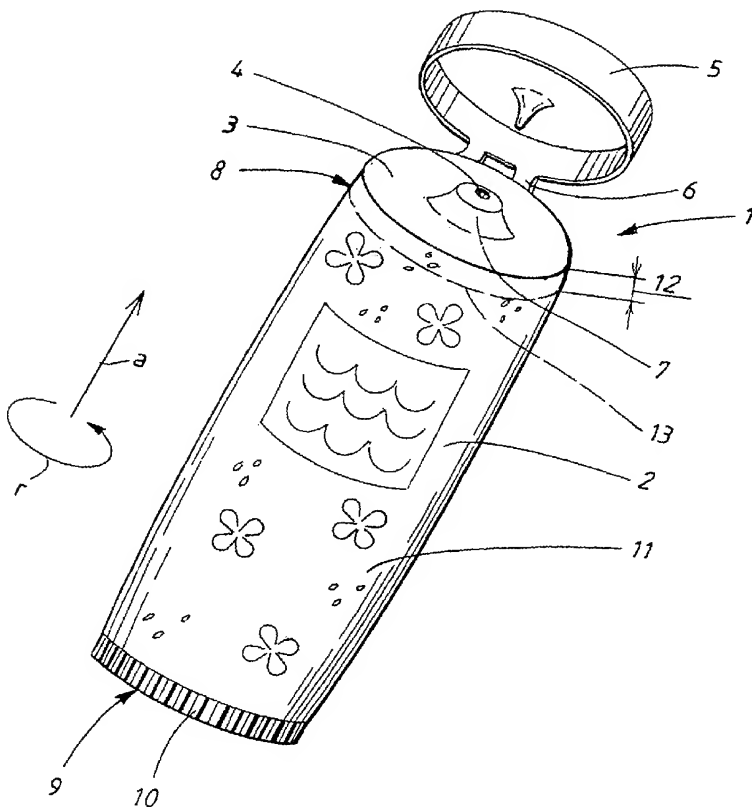
(30) Priority Data:
0400518-7 3 March 2004 (03.03.2004) SE

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,
ZM, ZW.

(71) Applicant (for all designated States except US): **NOR-
DEN TUBES AB** [SE/SE]; Bangatan 9, S-265 38 Åstorp
(SE).

[Continued on next page]

(54) Title: THIN-WALLED PLASTIC TUBE WITH LABEL



(57) Abstract: A thin-walled plastic tube (1) having an axial direction (a) and a radial direction (r), the plastic tube (1) being manufactured by injection moulding and comprising a tube body (2) with a tube shoulder with an emptying opening (4) at a first end (8) and an end closure (10) at a second end (9), the tube body (2) having a wall thickness of 0.3-1.2 mm. The plastic tube (1) comprises a label (11) applied simultaneously with the injection moulding, the label (11) comprising a plastic film with a tensile strength in the axial direction (a) of the tube (1) which is at least 100 N/mm², preferably at least 150 N/mm², and most preferably at least 210 N/mm² measured according to DIN ISO 527-1/-3, an elongation at break which is at most 70%, preferably at most 50%, and most preferably at most 25% measured according to DIN ISO 527-1/-3, and a thickness of at most 90 µm and preferably of at most 75 µm.

WO 2005/085081 A1



(84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— *of inventorship (Rule 4.17(iv)) for US only*

Published:

— *with international search report*

(48) Date of publication of this corrected version:

15 December 2005

(15) Information about Correction:

see PCT Gazette No. 50/2005 of 15 December 2005, Section II

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.